

10/20/04 - 00463

**RESTORATION ADVISORY BOARD (RAB)
AGENDA**

**For the
Installation Restoration Program (IRP)
St. Juliens Creek Annex
Chesapeake, Virginia**

**Major Hillard Library
824 Old George Washington Hwy N
Chesapeake, Virginia 23323
Wednesday, October 20, 2004 at 5:30 PM**

TOPIC

SPEAKER

Welcome & Introduction

Valerie Walker
Regional Environmental Group

Tour of Active IR Sites

Bill Friedmann
CH2M HILL

Break

Public Enterprise System

Kim Henderson
CH2M HILL

Roundtable/Q & A

Comments
Future Agenda
Future RAB Meeting Schedule

Robert Schirmer
Naval Facilities Engineering Command

Closing Remarks & Adjourn



St. Juliens Creek Annex FY 2003 Accomplishments / FY 2004 Goals

**St. Juliens Creek Annex
Restoration Advisory Board (RAB)
October 15, 2003**



Purpose

- **Provide fiscal year (FY) 2003 accomplishments**
- **Provide FY 2004 Goals**
- **Solicit questions or comments from Restoration Advisory Board (RAB) participants**



St. Juliens Creek Annex

- **490 acre site located in Chesapeake, VA**
- **History**
 - Operated from 1849 to present
 - Storing, loading, assembling, issuing, and receiving naval gun ammunition
 - Black powder operations, smokeless powder operations, projectile loading operations, mine loading, tracer mixing, testing operations, decontamination operations, and various support ops
 - Present - annex to Norfolk Naval Base with admin for various commands and active DRMO
- **Placed on the National Priorities List (NPL) in 2000**



St. Juliens Creek Annex





Purpose of Establishing and Tracking Goals

- **Serves as a budgeting tool for allocating future funding**
- **Prioritizes sites to be investigated and remediated based on their potential risk to human health and the environment**
- **Keeps remediation projects on schedule**



FY 2003 Accomplishments

- **Remedial Investigation Sites**
 - **Site 2: Waste Disposal Area B**
 - Completed a Draft Remedial Investigation / Human Health Risk Assessment / Ecological Risk Assessment (RI/HHRA/ERA)
 - Determined additional investigation necessary and drafted an Expanded RI Work Plan



RI Site 2





FY 2003 Accomplishments (Cont.)

- **Remedial Investigation Sites (cont.)**
 - **Site 3: Waste Disposal Area C**
 - Completed Interim Removal Action (IRA) Phase I
 - Completed a Supplemental Site Delineation for Phase II IRA
 - **Site 4: Landfill D**
 - Drafted a Feasibility Study (FS) to recommend remedial action alternatives
 - **Site 5: Burning Grounds**
 - Determined additional investigation necessary and drafted an Expanded RI Work Plan



FY 2003 Accomplishments (Cont.)

- **Remedial Investigation Sites
(cont.)**
 - **Site 6: Small Arms Unit**
 - Conducted complete removal
 - Closed the site with no Land Use Controls necessary (unlimited use)



RI Sites 3, 4, 5, and 6





FY 2003 Accomplishments (Cont.)

- **Additional Accomplishments**
 - Completed Site Investigations at Sites 8, 19, 21 and and Areas of Concern (AOCs) 1, 13, 14, and K
 - Conducted a Background Groundwater Investigation
 - Conducted a Baseline Ecological Risk Assessment (BERA) for Blows Creek
 - Created an Administrative Record
 - Developed the SJCA Enterprise Web Portal
 - Developed Site Management Plan for FYs 2005 – Fiscal Year 2010



FY 2004 Goals

- **Remedial Investigation Sites**
 - **Site 2: Waste Disposal Area B**
 - Complete the Expanded RI report of findings and determine potential further actions
 - **Site 3: Waste Disposal Area C**
 - Complete the Phase II IRA
 - Close the site with no Land Use Controls necessary (unlimited use)
 - **Site 4: Landfill D**
 - Implement a Remedial Design
 - Complete a Proposed Remedial Action Plan (PRAP) and Record of Decision (ROD)



FY 2004 Goals

- **Remedial Investigation Sites**
 - **Site 5: Burning Grounds**
 - **Complete the Expanded RI report of findings and determine potential further actions**
 - **Complete an Engineering Evaluation / Cost Analysis (EE/CA) to evaluate the cost of remedial alternatives**



FY 2004 Goals (Cont.)

- **Additional Goals**
- **Complete the Blows Creek BERA Phase I Report of findings**
- **Report the findings of the SIs conducted at Sites 8, 19, 21 and and AOCs 1, 13, 14, and K**
- **Establish Background Groundwater for SJCA**
- **Develop Site Management Plan for FYs 2005 – 2010**
- **Federal Facilities Agreement (FFA)**
- **Complete a Watershed Contamination Source Document (WCSD)**



Funding

- **FY 2003 Funding \$1,629,365**
- **FY 2004 Anticipated Funding \$1,633,451**



Summary

- **The majority of goals set for FY 2003 were met**
- **With current funding, FY 2004 goals should be accomplished and remediation at SJCA kept on schedule**
- **Administrative Record available:**
Major Hillard Library
824 Old George Washington Hwy N
Chesapeake, Virginia 23323
Phone: 382-3600
www.lantops-ir.org/sjca
- **Questions and Comments??**



Tour of Active IR Sites at St. Juliens Creek Annex: Sites 2, 3, 4, 5, 19 & 21

St. Juliens Creek RAB
October 20, 2004



Purpose

- **Provide the public with a review of active sites at the St. Juliens Creek Annex and the reason for its environmental concern**
- **Present the public with current and future proposed investigations/ clean up at each site**
- **Ask for questions/comments**



Sites Currently Active





Current Field Investigations at Sites 2, 19, & 21

- **These three sites require more sampling to determine the extent of contamination and risk to the follow media:**
 - **Site 2 - Groundwater and Sediment**
 - **Site 19 - Soil and Groundwater**
 - **Site 21 - Groundwater**



Site 2 (Wasted Disposal Area B)

History

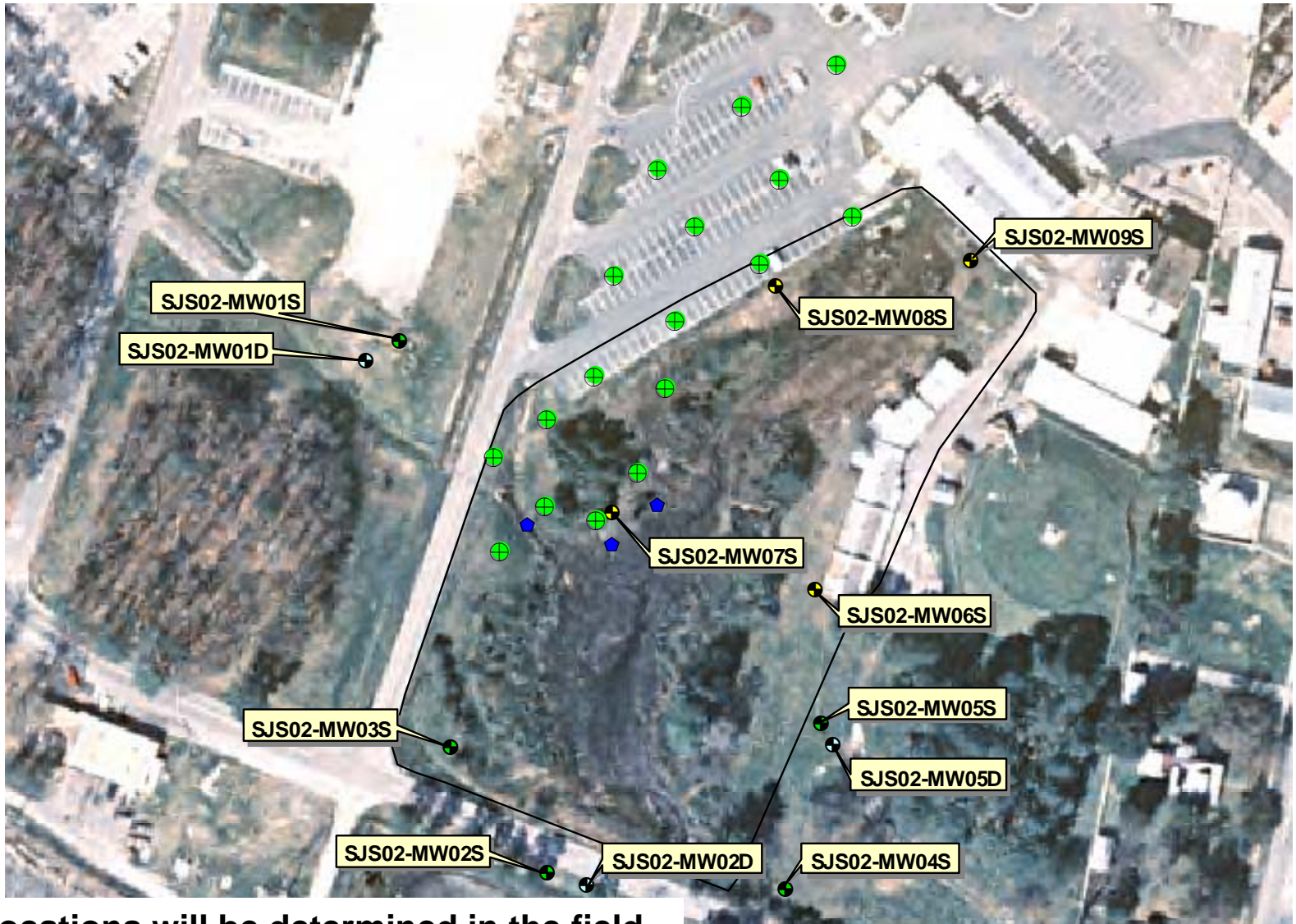
- **Various waste have been identified in several areas of the site; Burnt/stained soil, debris, ABM, petroleum (diesel)**
- **Previous sampling and activities:**
 - Soil, sediment, surface water, and groundwater sampling was conducted in 1999 and potential risks to ecological and human health were identified
 - Based on the Remedial Investigation (RI) report, further evaluation of groundwater and sediment were required. In December 2003 and January 2004, further evaluation of sediment and groundwater were conducted
 - The recent findings indicated very high levels of TCE adjacent to the northwest parking lot. Sediment posed a risk, but it could not be determined if these levels actually required removal.



Site 2 (Waste Disposal Area B) Further Evaluation

- **Groundwater sampling:**
 - A membrane interface investigation (MIP) will be conducted in parking lot area to delineate TCE
 - Up to five shallow and one groundwater monitoring well will be installed and sampled. Samples will be analyzed for VOCs, SVOCs, Pest/PCBs, and metals.
- **Sediment sampling:**
 - To further determine the risk in sediment, six site sediment samples and three sediment samples in St. Juliens Creek will be collected and analyzed for VOCs, SVOCs, Pest/PCBs, metals and toxicity.
 - Three sediment samples will be collected near well SJS02-MW07S to determine if VOCs (TCE) is directly impacting sediment.

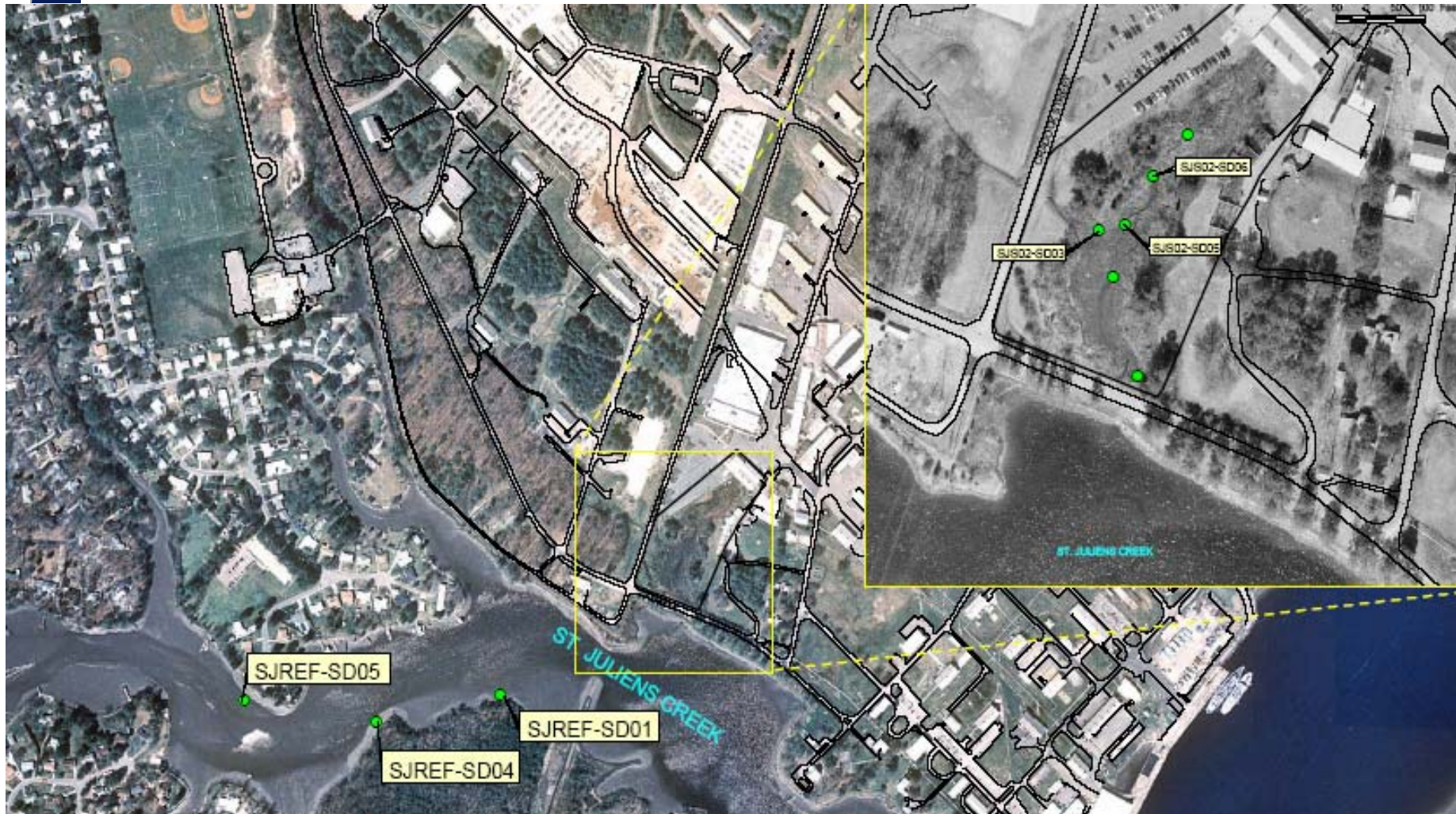
Site 2: Proposed MIP and Sediment Sample Locations



Exact MIP locations will be determined in the field.



Site 2: Proposed Toxicity Sample Locations





Site 19 (Bldg. 190)

History

- **Ordnance management activities occurred at this location from the early 1900s through the 1970s.**
- **Previous sampling and activities:**
 - Soil and groundwater sampling was conducted in 1995 and potential risks to human health were identified
 - Building 190 was demolished between 2000 and 2001
 - A July 2001 site visit identified two concrete drainage swales that appeared to discharge to the Southern Branch of the Elizabeth River
 - In December 2001, interviews with former employees indicated concern regarding the ordnance loading operations at Bldg. 190
 - Soil sampling in August 2003 indicated high metal and PAH levels in specific locations requiring further investigation

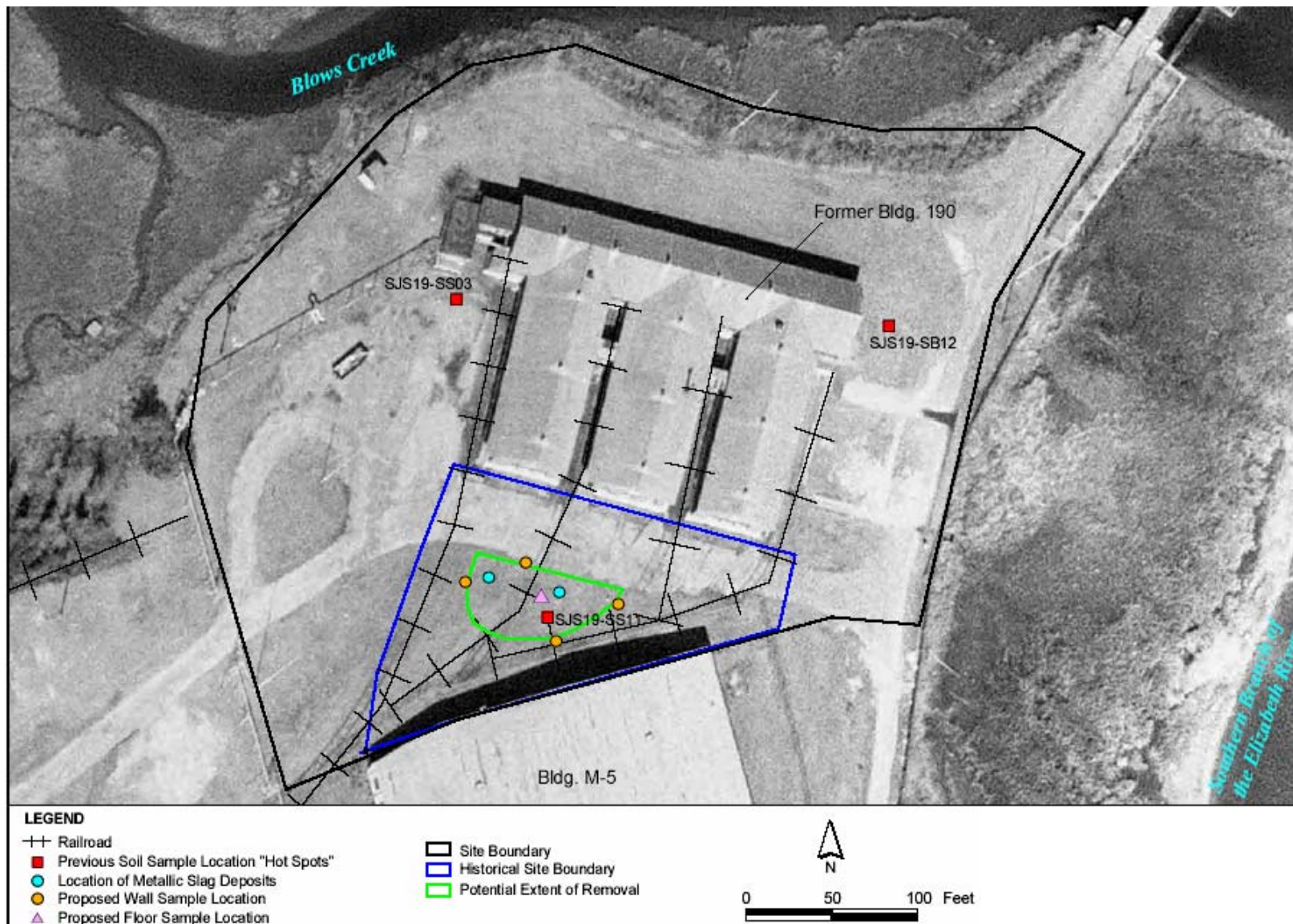


Site 19 (Bldg. 190)

Further Evaluation

- **Soil sampling:**
 - Collect 4 surface soil (0-6") and 1 subsurface soil (1-3') sample in the vicinity of metallic slag. Samples to be analyzed for metals.
 - Four surface soil samples will be collected adjacent to existing SJS19-SS03 to verify that PAHs are related to previous gravel parking lot and not Building 190 activities. Samples will be analyzed for SVOCs (PAHs).
- **Groundwater sampling:**
 - One groundwater sample will be collected from SJS19-SB12 area to determine if groundwater has been impacted by PAHs detected in subsurface soil. Sample to be analyzed for SVOCs.

Site 19 Sample Locations





Site 21 (Bldg. 187)

History

- Bldg. 187 was a locomotive shed used for maintenance
- 1981 Initial Assessment Study stated that the surrounding area was saturated with oil
- Previous sampling and activities:
 - Soil and groundwater sampling was conducted in 1995 and trichloroethene (TCE) was found in groundwater at Site 21 and nearby at Site 11. Site 11 was an electrical shop where TCE was used.
 - Sites 11 and 21 were recommended for further groundwater evaluation based on the TCE detections.
 - Building 187 was demolished in 2003 but the foundation remains intact.
 - August 2003 groundwater investigation identified TCE adjacent to the SIMA building and recommended further delineation of the TCE plume.

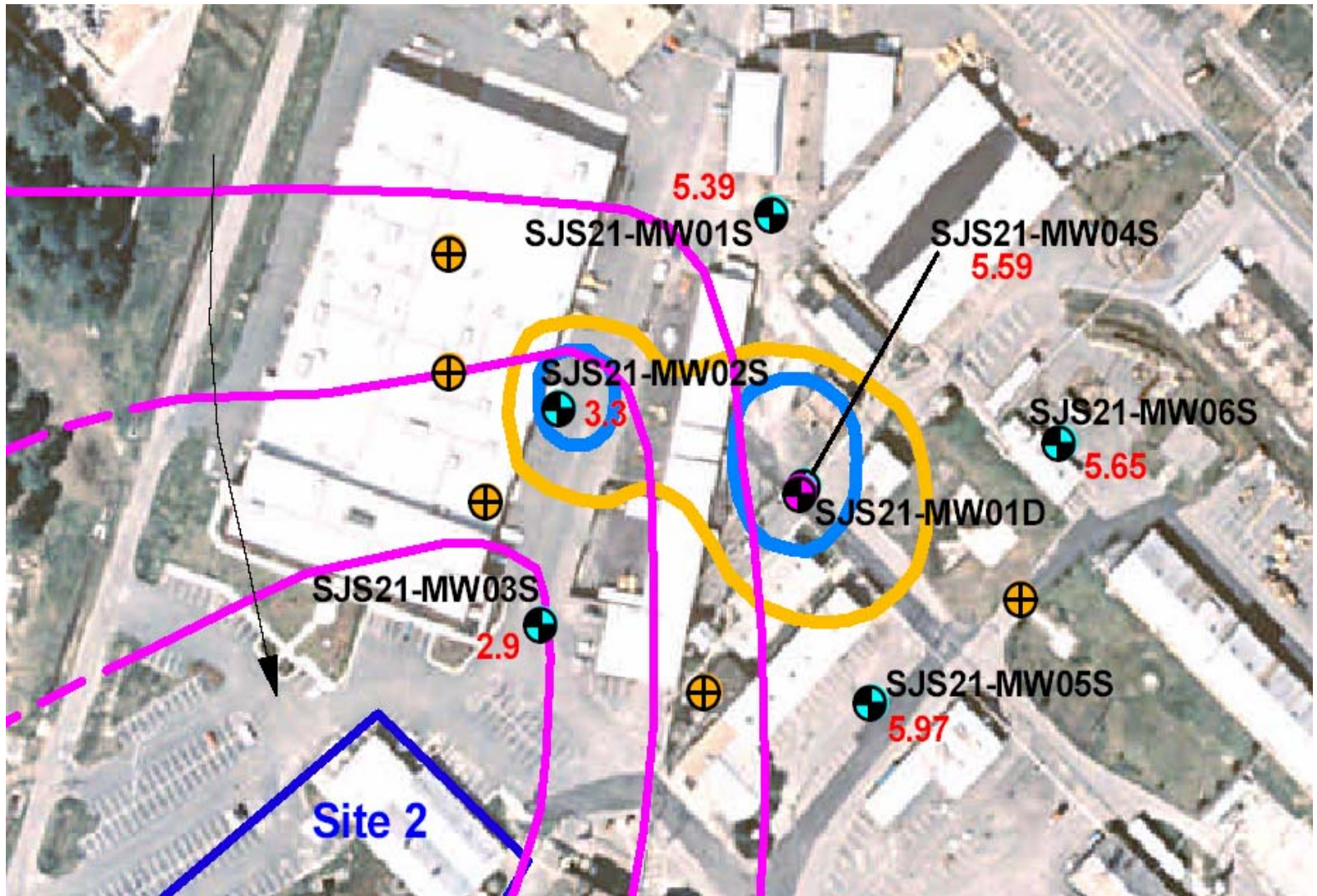


Site 21 (Bldg. 187)

Further Evaluation

- **Monitoring well installation and sampling:**
 - Based on the August 2003 results, 5 shallow monitoring wells will be installed and sampled
 - Samples will be analyzed for VOCs, SVOCs, Pesticides/PCBs, and Metals/Cyanide
 - Six existing shallow wells within will be sampled and analyzed for VOCs (TCE)
 - One existing deep well will be sampled and analyzed for metals and explosives
 - Groundwater characteristics will also be measured (groundwater flow rate).

Site 21 Sample Locations





Current Reporting at Sites 3 and 5

- **These two sites have completed their field investigations and are in report phase:**
 - **Site 3 - Waste Disposal Area C**
 - **Site 5 - Burning Grounds**



Current Reporting Site 3

- **Site 3 was completely removed in 2003.**
- **A confirmation closeout report was drafted in 2003.**
- **The Site is currently in the middle of closure; development of a Proposed Remedial Action (PRAP) and a Record of Decision (ROD), both to be completed in early 2005.**
- **The public will have an opportunity to comment on the PRAP and ROD.**



Site 3 Removal





Current Reporting Site 5

- **Site 5 is currently in a Remedial Investigation (RI) reporting phase**
- **This will determine what the extent of the risk to the site is**
- **Following completion of the RI, a Feasibility Study report will be produced which identifies various alternatives for cleaning up Site 5. This will be completed in 2005.**



Site 5 (Burning Grounds)





Current Remediation (Clean Up) at Site 4 (Landfill D)

- **In early 2005, Site 4 will have a two foot soil cover constructed on it.**
- **The soil cover will reduce the risk associated with contacting the landfill contents**
- **Routine groundwater monitoring and soil cover inspections will be conducted.**



Site 4 (Landfill D)





Conclusion

- **Various sites are at different stages in the CERCLA process.**
 - Investigation
 - Site close out
 - Clean up or remediation
- **Navy, EPA, and VDEQ continue to work in a proactive team setting to continue to address environmental concerns related to St. Juliens Creek Annex.**
- **The St. Juliens Creek Annex Partnering Team will continue to work with changing regulations and funding to reach clean up.**



Conclusion

- **Thank You!**
- **Any Question?**



St. Juliens Creek Annex Installation Restoration Web Site Update

St. Juliens Creek Annex RAB Meeting
October 20, 2004



Purpose

- **Provide a brief overview of the updated St. Juliens Creek Annex (SJCA) Web Site - <http://public.lantops-ir.org/sites/public/sjca/>**



Installation Restoration (IR) Web Site

- **The web site is part of the Navy's active efforts to provide accurate, timely, and comprehensive information to the public on the environmental IR Program at St. Juliens Creek Annex (SJCA), Chesapeake, Virginia**
- **Updated October 2004**
 - New Look
 - Updated Content



Web Site Features

- **Home**
- **IR Program Information**
- **IR Sites**
- **Public Outreach**
- **Links**
- **Glossary**
- **Acronyms**
- **Administrative Records**


Home Page


- **Historical operations and environmental activities conducted at SJCA**

The screenshot shows a web browser window with the address bar displaying `http://public.lantops-ir.org/sites/public/sjca/default.aspx`. The browser's toolbar includes buttons for Back, Forward, Stop, Home, Search, Favorites, Media, and Print. Below the address bar is a Links section. The website's navigation bar is blue with white text, containing links to Home, IR Program Info, IR Sites, Public Outreach, Links, Glossary, Acronyms, and Admin Records. The main content area has a white background with a blue border on the left. The left border contains the text "St. Juliens Creek Annex" written vertically. The main content area features a "Home" link with a house icon, the text "SJCA Public Site", and a "Sign In" button. A search bar is located in the top right corner. The main heading reads "Welcome to the St. Juliens Creek Annex (SJCA) Installation Restoration (IR) Web Site". Below this is a paragraph stating: "This web site is part of the Navy's active efforts to provide accurate, timely and comprehensive information on the environmental IR program currently in action at St. Juliens Creek Annex in Chesapeake, VA." The section "BACKGROUND" follows, with two paragraphs of text. The first paragraph describes the facility's location and size. The second paragraph describes the facility's surroundings. The third paragraph describes the facility's history and operations.

St. Juliens Creek Annex

Home IR Program Info IR Sites Public Outreach Links Glossary Acronyms Admin Records

 SJCA Public Site
Home



Welcome to the St. Juliens Creek Annex (SJCA) Installation Restoration (IR) Web Site

This web site is part of the Navy's active efforts to provide accurate, timely and comprehensive information on the environmental IR program currently in action at St. Juliens Creek Annex in Chesapeake, VA.

BACKGROUND

The SJCA facility is situated at the confluence of St. Juliens Creek and the Southern Branch of the Elizabeth River in the City of Chesapeake, located in southeastern Virginia. The facility covers approximately 490 acres and includes administrative buildings, wharf areas to the Southern Branch of the Elizabeth River, a central heating plant, numerous non-operational industrial facilities, a radar testing range, and miscellaneous structures.

The facility is bordered to the north by the Norfolk and Western Railroad, the City of Portsmouth, and residential areas; to the west by residential areas; to the south by St. Juliens Creek; and to the east by the Southern Branch of the Elizabeth River. The Norfolk Naval Shipyard is located approximately 1.5 miles to the north.

St. Juliens Creek Annex began operations as a naval ammunition facility in 1849. In the past, operations at SJCA have included general ordnance operations involving wartime transfer of ammunitions to various other U.S. Naval facilities throughout the United States and abroad. In addition, the Annex has been involved in specific

IR Program Page Page

- Overview of Associated Regulations (CERCLA)
- Flow chart of the CERCLA Process

[Home](#) [IR Program Info](#) [IR Sites](#) [Public Outreach](#) [Links](#) [Glossary](#) [Acronyms](#) [Admin Records](#)

Sign In

Overview of the Installation Restoration Program

The Installation Restoration (IR) Program (IRP) is a Department of the Navy initiative to identify, investigate, and clean up former waste disposal sites. Previously, waste (solvents, waste oil, scrap metal and lumber) was disposed of using methods that were acceptable at the time. Solid waste was simply deposited in low-lying areas and covered with soil. Changing times brought new regulations and new approaches to waste disposal. In 1976 Congress passed the [Resource Conservation and Recovery Act \(RCRA\)](#) designed to manage disposal of wastes that were being generated. However, abandoned waste sites were a concern as well. In 1980 Congress passed the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), commonly called the "Superfund" Act, to investigate and clean up abandoned hazardous waste sites.

To address waste sites on military property, the Department of Defense (DoD) established the IR program in 1975. Depending upon the circumstances, military IR sites are identified, investigated, and cleaned up in accordance with RCRA or CERCLA or in accordance with an integrated approach based on both laws

The CERCLA Process

The IRP begins site studies with a Preliminary Assessment/Site Investigation (PA/SI) to distinguish between sites that pose little or no threat to human health or the environment and sites that may pose a threat and require further investigation. This stage involves a review of historical documents and a visual site inspection. If the PA results in a recommendation for further investigation, a Site Investigation (SI) is performed. During the SI media samples (such as water and soil) are collected to confirm or deny the presence of potentially hazardous substances.

Based on the results of the PA/SI, a Remedial Investigation (RI) may be needed at a site. An RI is designed to learn more about the site contamination and determine if any known contamination is leaving (i.e., migrating from) the site. During this phase, samples are usually collected from the soil, groundwater, surface water (such as creeks or lakes), soils and sediments. The resulting data provides information about the extent of possible contamination and rate of migration, if applicable.


A Feasibility Study (FS) may be conducted concurrently with the RI. The data collected in the RI influence the development of remedial (i.e. cleanup) alternatives able to meet the environmental standards, considering factors such as the degree of contamination and potential human health and environmental risks. A variety of remedial methods are considered, including the "No Action" alternative. Next, a Proposed Remedial Action Plan (PRAP) is presented, outlining several feasible or likely alternatives and recommending the preferred remedial method.

```
graph TD; PA[Preliminary Assessment/Site Investigation (PA/SI)  
Identify possible contaminant releases that need further investigation] --> NoAction{{No further action}}; PA --> Interim[Interim (removal) action]; PA --> RI[Remedial Investigation/Feasibility Study (RI/FS)];
```

The flowchart illustrates the initial stages of the CERCLA process. It begins with a box labeled 'Preliminary Assessment/Site Investigation (PA/SI)' which contains the text 'Identify possible contaminant releases that need further investigation'. From this box, three arrows point to the right. The top arrow points to an octagon labeled 'No further action'. The middle arrow points to a box labeled 'Interim (removal) action'. The bottom arrow points to a box labeled 'Remedial Investigation/Feasibility Study (RI/FS)'.

IR Sites Page

- List of Sites currently under investigation and sites requiring no further action
- Links to more detailed information

 [Home](#) [IR Program Info](#) [IR Sites](#) [Public Outreach](#) [Links](#) [Glossary](#) [Acronyms](#) [Admin Records](#)

Sign In

IR Sites

This page contains an overview of the Installation Restoration (IR) Sites, Areas of Concern (AOCs), and Solid Waste Management Units (SWMUs) at St. Juliens Creek Annex (SJCA). The sites are organized in the tables below as sites currently under investigation and sites requiring no further action. Click on the site name to read a brief history of the site and the previous investigations conducted.

Site #	Sites Under Investigation
Site 2	Waste Disposal Area B
Site 3	Waste Disposal Area C
Site 4	Landfill D
Site 5	Burning Grounds
Site 19	Wharf Area Building M-5
Site 21	Soil Staining at Building 187

Site #	No Further Action Sites
Site 1	Waste Disposal Area A
Site 6	Small Arms Unit
Site 7	Old Storage Yard
Site 8	Cross and Mine
Site 9	Building 249

Public Outreach Page

- **Community Involvement History - RAB**
- **Public Outreach Center Location**
- **Upcoming Public Events**

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Public Outreach and Community Involvement

[Community Involvement History - RAB](#)

[Public Outreach Center Locations](#)

[Upcoming Public Events](#)

[Meeting Agendas](#)

[Meeting Minutes](#)

COMMUNITY INVOLVEMENT HISTORY - RAB

St. Juliens Creek Annex has conducted a proactive community relations program throughout the IRP and CERCLA process. A Restoration Advisory Board (RAB) is an advisory board made up of community members, local environmental group members, and local state and federal officials. The RAB at St. Juliens Creek Annex was initially formed in 1994 and has been an integral part of the community relations program since its inception. Currently, there are about 20 members of the RAB and the board meets on a regular basis, usually every 6 months, to allow concerned citizens to communicate and interact with the Navy on IR activities. At each meeting members are given updates, briefings and/or technical presentations on the status of the IR sites with ongoing work.

Use this link if you want more information about RABs: http://www.dtic.mil/envirodod/Stakeholder/WCommunity/SI_WCRAB.htm

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Public Outreach Page (cont.)

- **Meeting Agendas**
- **Meeting Minutes**

MEETING AGENDAS

-  [May 2004](#)
-  [October 2003](#)
-  [June 2003](#)
-  [November 2002](#)
-  [July 2002](#)
-  [January 2002](#)
-  [July 2001](#)

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MEETING MINUTES

-  [May 2004](#)
-  [October 2003](#)
-  [June 2003](#)
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-  [July 2002](#)
-  [January 2002](#)
-  [July 2001](#)

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Links Page

- Useful links to websites with related content

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Sign In

Links

Click on a topic below for a list of related links:

- [Regulatory Agencies](#)
- [EPA](#)
- [Consultants and Contractors](#)
- [Other Installation Restoration Program Websites](#)
- [Navy and Department of Defense](#)
- [Groundwater Remediation Technologies](#)
- [Community Information and Environmental Links](#)
- [Risk Assessment](#)
- [Other Federal Agencies](#)
- [Technology/Engineering and Hydrogeology](#)

* To add or edit a link, [contact the Webmaster](#).

Regulatory Agencies

[National Toxicology Program \(NTP\) Testing Information and Study Results](#)
Search for status of individual test agents being studied by the NTP. Abstracts of studies on toxicity, carcinogenicity, immunotoxicity, reproductive and development effects.

[Board on Environmental Studies and Toxicology \(BEST\)](#)
BEST Investigates pollution problems affecting human health, human impacts on the environment, and the assessment and management of human health risks and the environment.

[Virginia Department of Environmental Quality \(DEQ\) Home Page](#)

Glossary Page

- **Alphabetical list of commonly used terms and definitions**

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Glossary

You may access the list of commonly used Navy Environmental Restoration glossary items by selecting one of the letters below. Once the correct letter appears on the screen, simply scroll to view the glossary item(s) in question.

You may easily return to select another letter of the alphabet by pressing the "Back to top" found at each letter in the list.

If you would like to add to the glossary, please contact the [Webmaster](#)

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

A

Abandoned Well

A well whose use has been permanently discontinued or which is in a state of such disrepair that it cannot be used for its intended purpose.

Abatement

Reducing the degree or intensity of, or eliminating, pollution.

Abiotic

Not relating to living things, not alive.

Absorbance

A measure of the decrease in incident light passing through a sample into a detector. It is defined mathematically as:

$$A = \frac{I(\text{solvent})}{I(\text{solution})} = \log \frac{I_0}{I}$$

where I = radiation intensity

Absorbed Dose


The amount of a chemical that enters the body of an exposed organism. Equal to intake multiplied by an absorption factor.

Absorption

1) The process by which one substance is taken into the body of another substance. 2) The penetration of molecules or

Acronyms Page

- **Alphabetical list of commonly used acronyms**

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Sign In

Acronyms

You may access the list of common Navy Environmental Restoration acronyms by selecting one of the letters below. Once the correct letter appears on the screen, simply scroll to view the acronym in question.

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If you would like to add to the list of acronyms, please contact [Webmaster](#)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

A	Flame Atomic Absorption. See Method Qualifier
A	Indicates that a TIC is a suspected aldol-condensation product. See Data Qualifiers
A-106	Office of Management and Budget Circular #A-106
A-E	Architect-Engineer
A²R²	Annual Allowance for Requirements Review (Oil Spill Equipment)
AA	Atomic Absorption
AAQS	Ambient Air Quality Standard

Administrative Record Page

- **Location & Contact Information**
- **List of the documents/information published in the Administrative Record for SJCA**

The Administrative Record File is located at:

<http://www.chesapeake.lib.va.us/cplgovdocs/govdoc.html>

Major Hillard Branch Library (Chesapeake Public Library System)
824 Old George Washington Highway, North
Chesapeake, VA 23323
(757) 382-3600

NAVFAC Atlantic Point of Contact:

For additional information, to review documents, make comments or express concerns please contact:

John E. Peters, Public Affairs Officer
NAVFAC Atlantic
6506 Hampton Blvd.
Norfolk, VA 23508-1278

757-322-8005

john.e.peters@navy.mil

Administrative Record

Document Number	Title	Date Published	Author	Author Affiliation
00059	LETTER AND COMMENTS ON THE SUPPLEMENTAL FIELD INVESTIGATION, LANDFILL B (SITE 2) AND THE BURNING GROUNDS (SITE 5), DATED JULY 1998	8/27/1998	S WILCOX	VDEQ
00060	LETTER AND COMMENTS ON THE SUPPLEMENTAL FIELD INVESTIGATION PLAN, LANDFILL C (SITE 3) AND LANDFILL D (SITE 4) DATED JULY 1998	8/27/1998	S WILCOX	VDEQ



Questions/Comments?

Feedback is welcome at any time!